SONY

TRINITRON® COLOR TV

(CABLE COMPATIBLE TV)

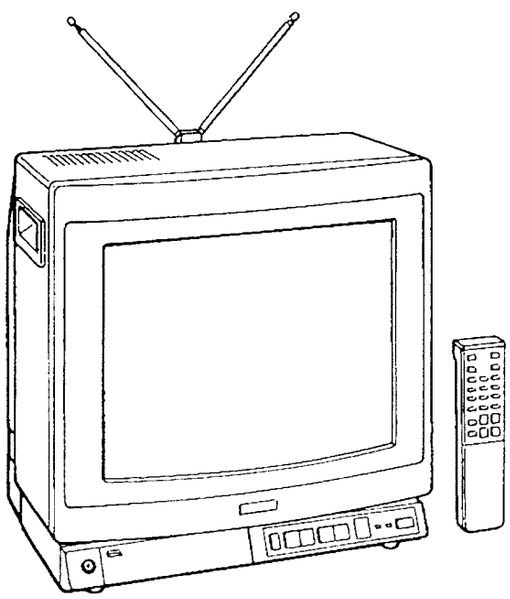
OPERATING INSTRUCTIONS

Welcome to the advanced world of Sony TV. For the best results and the utmost satisfaction from your new set, please read this manual thoroughly and retain it for future reference.

OWNER'S RECORD

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

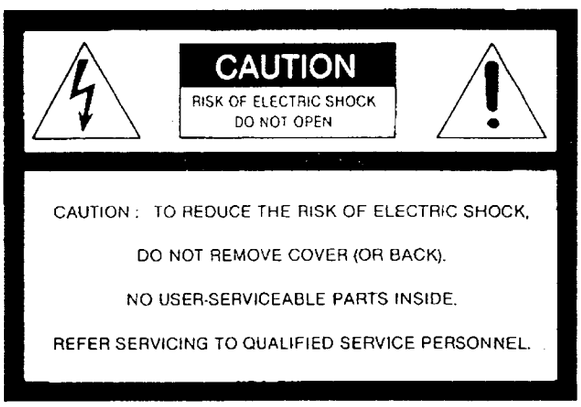
Model No. KV1317R Serial No._____



New Black-tinted Trinitron picture tube absorbs most ambient light and remarkably improves picture contrast.
New PanFocus™ Gun delivers clear and crisp images with remarkably improved sharpness all the way to the screen's edges and corners.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

PRECAUTIONS

Safety

- Operate the set only on 120 V ac.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Should any liquid or solid object fall into the cabinet, unplug the set and have it checked by qualified personnel before operating it any further.
- Unplug the set from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Installation

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the set in a hot or humid place or in a place subject to excessive dust or mechanical vibration.

Cleaning

Clean the set with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.

Repacking

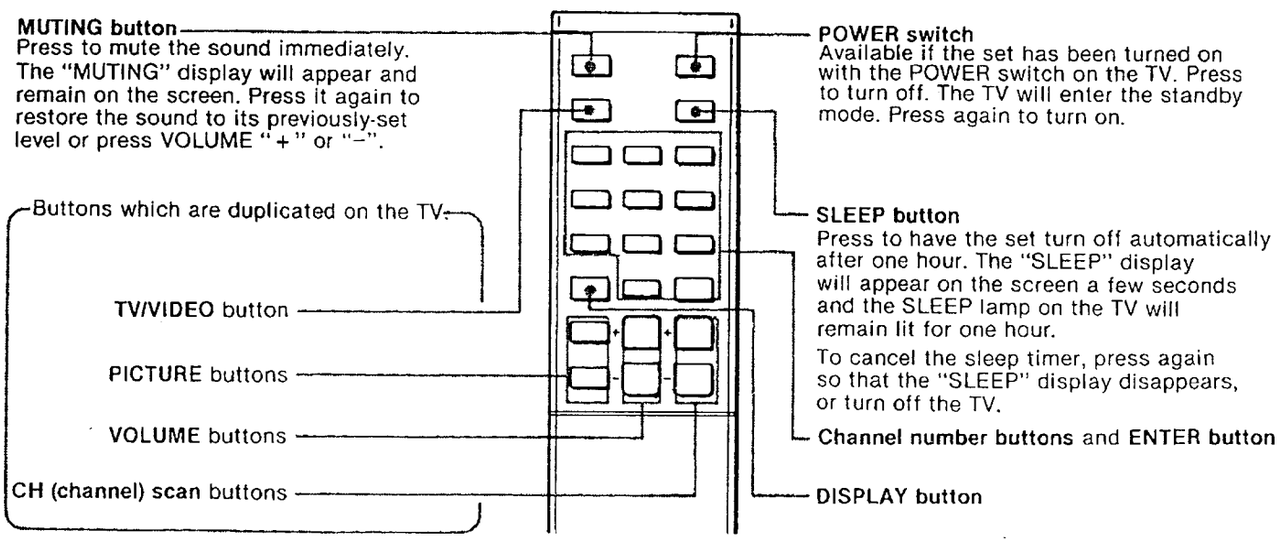
Retain the original carton and packing materials for safe transport of this TV set in the future.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

REMOTE COMMANDER RM-729

Battery insertion

1. Turn the Remote Commander face down, press the tab and lift the cover.
2. Place batteries in the Commander with the polarities in the correct directions, as illustrated inside the case.
3. Replace the cover.


MUTING button
Press to mute the sound immediately. The "MUTING" display will appear and remain on the screen. Press it again to restore the sound to its previously-set level or press VOLUME "+" or "–".
Buttons which are duplicated on the TV:
TV/VIDEO button
PICTURE buttons
VOLUME buttons
CH (channel) scan buttons
POWER switch
Available if the set has been turned on with the POWER switch on the TV. Press to turn off. The TV will enter the standby mode. Press again to turn on.
SLEEP button
Press to have the set turn off automatically after one hour. The "SLEEP" display will appear on the screen a few seconds and the SLEEP lamp on the TV will remain lit for one hour.
To cancel the sleep timer, press again so that the "SLEEP" display disappears, or turn off the TV.
Channel number buttons and ENTER button
DISPLAY button

Notes

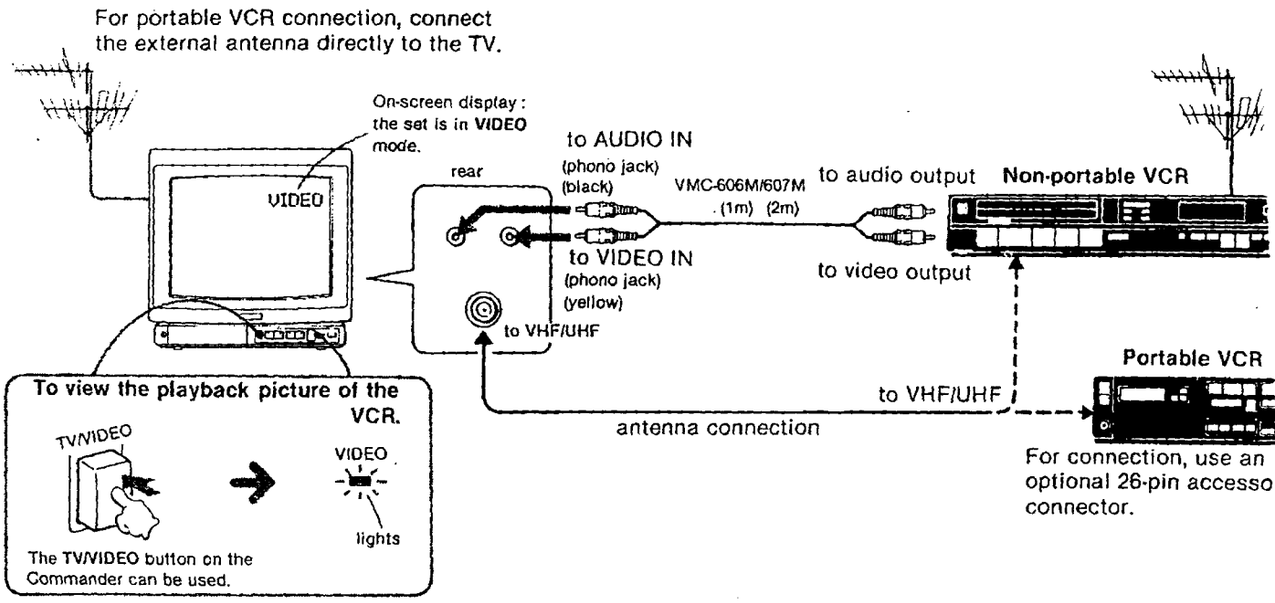
- Use 2 size AA batteries (IEC designation R6).
- In normal operation, batteries will last up to half a year. If the set does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.

AUDIO AND VIDEO INPUT JACKS

You can view the picture generated by equipment connected to the AUDIO IN and VIDEO IN jacks by simply pressing the TV/VIDEO button.

We recommend using the **AUDIO IN** and **VIDEO IN** jacks to view VCR programs in better picture quality.

Connection of a VCR



NOTES ON CONNECTIONS

- Before connecting, make sure that the power to each piece of equipment is turned off.
- For details on connections, refer to the instruction manuals of the equipment to be connected.
- The plugs should be fully inserted into the jacks. A loose connection may cause hum and noise.
- Match the colors of the plugs to that of the jacks.
- Move the VCR away from the TV if the display or sound is affected by the magnets in the TV.

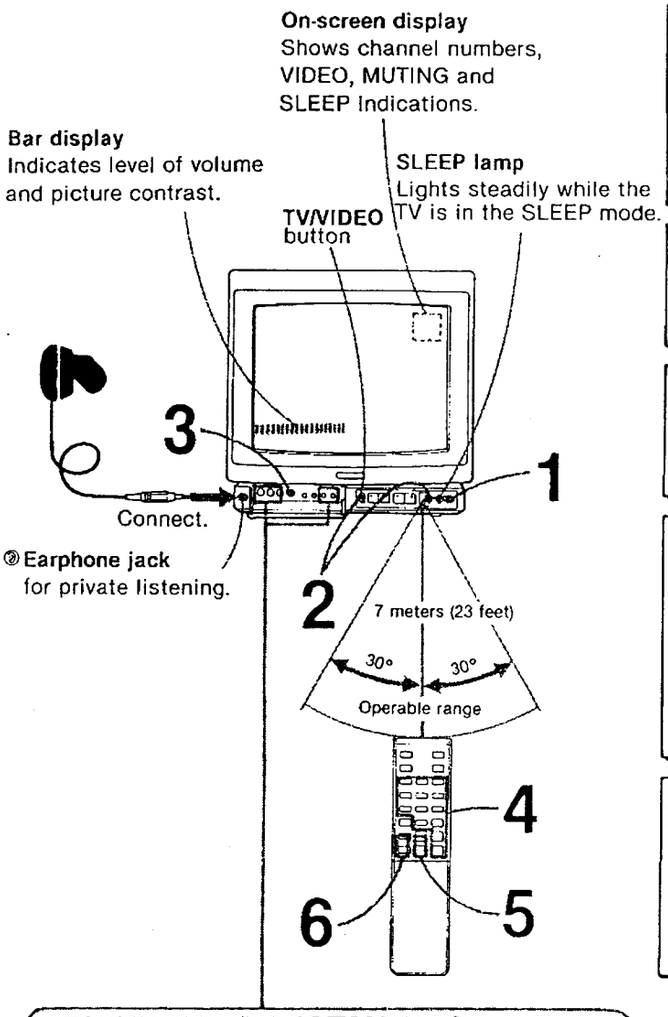
SPECIFICATIONS

Television system	American TV standards
Channel coverage	VHF channels 2-13
	UHF channels 14-69
	Cable TV channels 1-125
Picture tube	Trinitron tube
	13-inch picture measured diagonally
	14-inch picture tube measured diagonally
	90-degree deflection
Inputs video	1V p-p, 75 ohms unbalanced, sync. negative
audio	408 mV rms (100% modulation, 47 kilohms)
Power requirements	120 V AC, 60 Hz
Power consumption	97 W
Accessories supplied	Earphone (1)
	VHF/UHF telescopic dipole antenna AN-18 (1)
	Antenna connector (1)
	Remote Commander RM-729 (1) with 2 size AA batteries
Optional accessories	U/V mixer EAC-66
	Connecting cables VMC-606M/607M etc.

Design and specifications are subject to change without notice.

TV OPERATION

Use the supplied Remote Commander.



1 Press **POWER** on the TV.

POWER

The **SLEEP** lamp (red) will light up for several seconds.
To turn the set completely off, press it again.
Once the set is turned on with this main POWER switch, you can turn it on and off with the power switch of the Remote Commander.

2 VIDEO

Make sure that **VIDEO** indication lamp (yellow) is not lit.
If it is lit, press **TV/VIDEO** button to turn it off.

3 ON OFF CABLE

To view CATV programs, turn this selector to **ON**.
For VHF/UHF programs, set it to **OFF**.

4 Select the desired channel in one of the following two ways.
The selected channel number will appear on the screen.

❶ Press the number(s) of the channel. Then press **ENTER**.
or
❷ Press **CH "+"** for higher-numbered channels or **"–"** for lower numbered channels.

The channel display on the screen will remain for a few seconds.
To keep the channel display on the screen, press **DISPLAY**.
To cancel it, press again.

5 Adjust **VOLUME**.

VOL
+ to increase
– to decrease

6 Adjust picture contrast

PICTURE
+ to increase
– to decrease

PICTURE ADJUSTMENTS

If any adjustment is necessary, adjust the appropriate control as described below.

skin tones become purplish — skin tones become greenish
HUE

for less color intensity — for more color intensity
COLOR

for less brightness — for more brightness
BRIGHT

PICTURE
press to decrease picture contrast (–)
press to increase picture contrast (+)

Contrast level will be

Cable TV channel chart*

Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to this chart.

Number on this TV						1	5	6	14	15	16	17
Corresponding CATV channel						A–8	A–7	A–6	A	B	C	D
18	19	20	21	22	23	24	25	26	27	28	29	30
E	F	G	H	I	J	K	L	M	N	O	P	Q
31	32	33	34	35	36	37	38	39	.....		93	94
R	S	T	U	V	W	W+1	W+2	W+3	.....		W+57	W+58
95	96	97	98	99	100	101	102	.....		123	124	125
A–5	A–4	A–3	A–2	A–1	W+59	W+60	W+61	.....		W+82	W+83	W+84

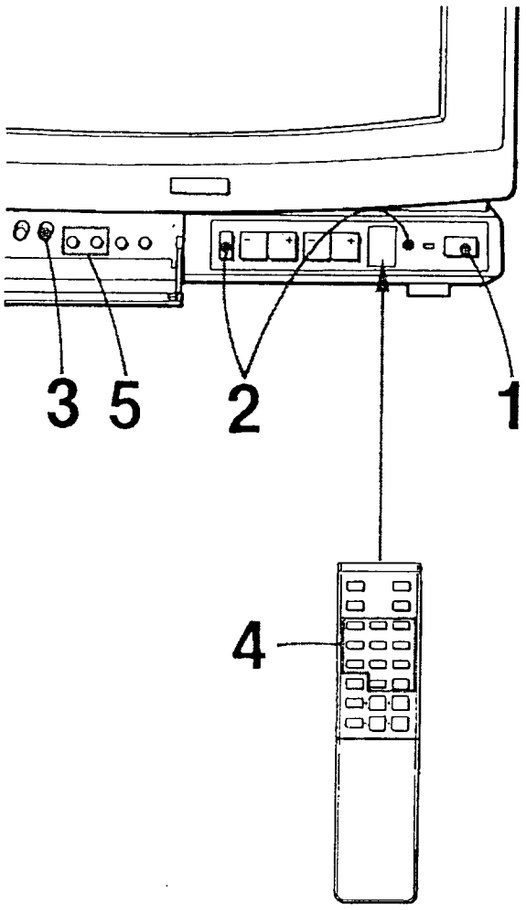
Check with your local cable TV company for more complete information on the available channels.

* The designation of the cable TV channels conforms to the

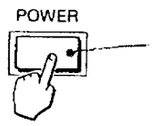
CHANNEL PRESETTING

Receivable channels of your set are:
VHF: 2–13 UHF: 14–69 CATV: 1–125

By adding and erasing channels, you can preset your TV so that only the desired channels appear in sequence when the CH "+" or "–" is pressed.

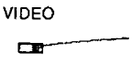


1



Press **POWER**

2

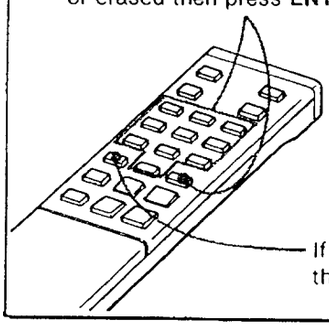


Make sure that **VIDEO** indication lamp (yellow) is off.
If not, press **TV/VIDEO** button to turn it off.

3

Set properly according to the channels to be added or erased.
For CATV channels, set to **ON.**
For VHF/UHF channels, set to **OFF.**

4 Press the number(s) of the channel to be added or erased then press **ENTER.**

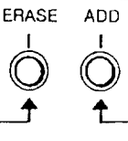


Channel number

16

If necessary, press **DISPLAY** to check the channel number.

5



ERASING CHANNELS

ADDING CHANNELS

Press **ERASE.**
A "-" indication will appear.

-16

Press **ADD.**
A "+" indication will appear.

+16

When CH +/– are pressed, you will see that only the added channels will appear in sequence while the erased channels will be skipped over.

Repeat steps 3 through 5 for other channels.

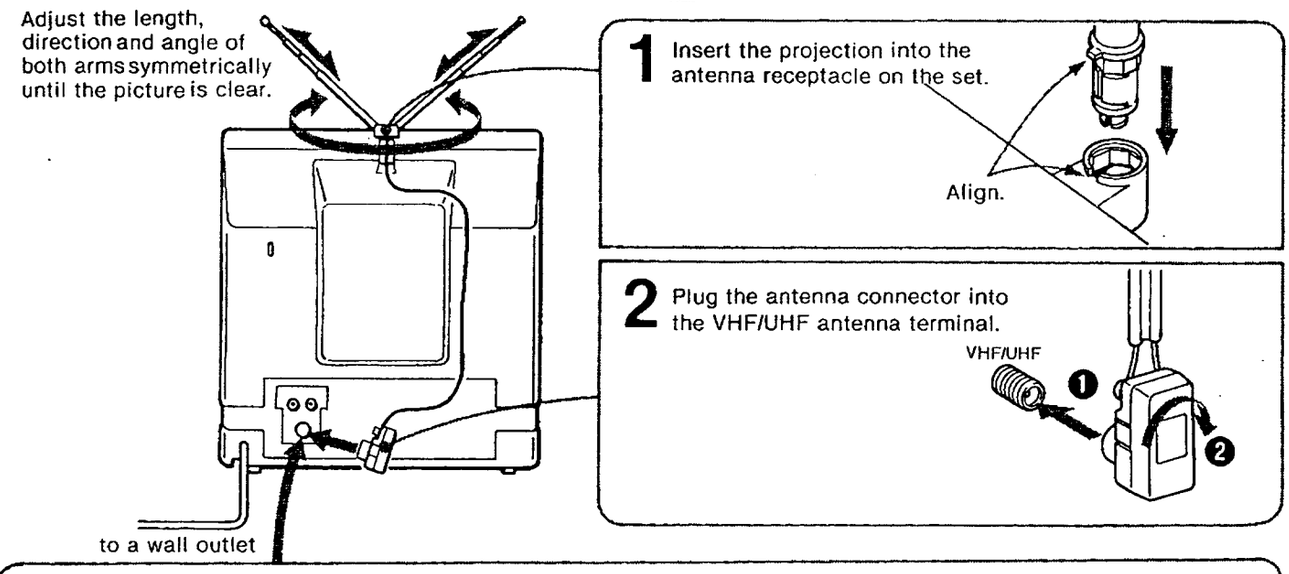
To add erased channels again, follow the steps for ADDING CHANNELS.

Note
You cannot erase a VHF or UHF channel from the memory and retain the cable TV channel which has the same number, or vice ver

ANTENNA/CABLE CONNECTION

INDOOR ANTENNA CONNECTION

For VHF/UHF reception, use the supplied dipole telescopic antenna.


Adjust the length, direction and angle of both arms symmetrically until the picture is clear.
1 Insert the projection into the antenna receptacle on the set.
Align.
2 Plug the antenna connector into the VHF/UHF antenna terminal.
VHF/UHF
1
2
to a wall outlet

OUTDOOR ANTENNA/CABLE CONNECTION

If you cannot obtain satisfactory reception with the dipole antenna using an outdoor antenna may be necessary.
Cable TV reception is only possible by connecting a cable supplied by your local cable operator.

1 Remove the indoor antenna from the antenna terminal of the TV.
2 Prepare the antenna or cable end using the appropriate connector, and connect the antenna or cable to the antenna terminal of the TV. (See A or B below.)

A **Combination VHF/UHF antenna,*** VHF antenna, UHF antenna or CATV cable

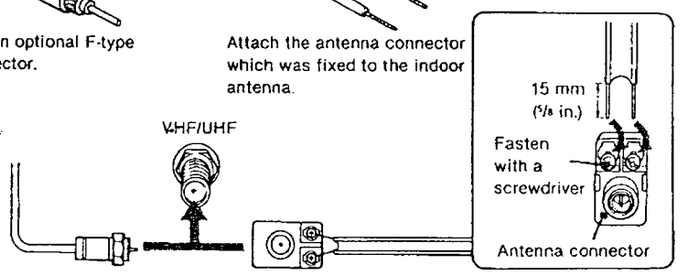
Select the proper connector according to the cable type.

When the cable is a 75-ohm coaxial type (round)

Use an optional F-type connector.

When the cable is a 300-ohm ribbon type lead-in (flat)

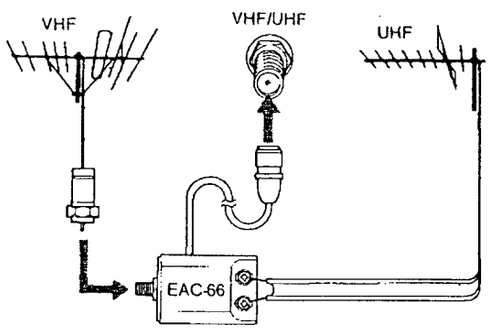
Attach the antenna connector which was fixed to the indoor antenna.



*Most combination antennas are equipped with a signal splitter. Take off the splitter and attach the proper connector.

B **When both VHF and UHF antennas are connected**

Prepare the VHF antenna end using the appropriate connector as illustrated in A.
Attach an optional EAC-66 U/V mixer to the TV antenna terminal, and connect the cables to the U/V mixer.



Note to CATV system installer in the U.S.A:

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper

When the cable is connected to the TV with the U/V mixer, snow and noise may appear in the pictures of the cable TV channels over 37 (W + 1).